



YEAR OF THE OLYMPICS



35TH YEAR of
PHILMONT
MOBILE RADIO CLUB



THE **Burb**
JUNE 1984
W3RQZ • W3TKQ • W3QV

FAMOUS WOMEN

IN WORLD HISTORY

Countess Zrinyi

OF HUNGARY



WHEN THE LEADER OF THE TURKISH EMPIRE DID NOT RECEIVE A MONETARY TRIBUTE DUE HIM FROM AUSTRIA (1566), HE SET OUT TO TAKE VIENNA. THE TURKS CAME TO FORTRESS SZIGETVAR, WHERE THE COUNT ZRINYI WAS IN COMMAND. AFTER WEEKS UNDER TURKISH SIEGE, THE TOWN AND FORT BEGAN TO FALL.

THOUSANDS OF TURKS SWARMED THE INTERIOR, BUT THE COUNTESS ZRINYI WOULD NOT YIELD TO FATE QUIETLY, SHE FOUGHT HER WAY TO THE POWDER MAGAZINE AND IGNITED THE POWDER. THOUSANDS OF TURKS DIED WITH HER, THE MASS DEATHS AND THE DEATH OF THE TURKISH EMPEROR DAYS BEFORE, WAS SUFFICIENT TO TURN THE TURKS AWAY IN DEFEAT.



Seymore D. Fair
Mascot

THE 1984 LOUISIANA
WORLD EXPOSITION

THE BLURB is published monthly by and for the members of The Phil-Mont Mobile Radio Club, Inc. Our purpose is to promote Amateur Radio in general and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other clubs and requests should be addressed to the Editor. THE BLURB subscriptions are available to non-members for \$6.50 per year and should be addressed to the Editor.

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W3ZPP(85), K3GNM(85)
W3BBB(A), K3KUD(A), WB3KOJ(A)

Club Nets are conducted weekly; every Sunday -
Information Nets - 9:30 am, 147.63/.03 MHz. FM;
10:00 am, 29.0 MHz SSB; 10:00 am, 29.493 MHz
AM; 10:20 am, 3.993 MHz. SSB; 2.00 AM. 37.0
MHz. CW. All Visitors Welcome!

The Phil-Mont Mobile Radio Club, Inc., meets on the
first Monday (mostly) of every month at 8:00 p.m. in
the Franklin Institute, 21st St. & Ben Franklin Pkwy.

ALL VISITORS WELCOME ! !

DEADLINE - To be assured of current publication, all copy must be in the hands of the EDITOR by the
15th of the month or at the Board of Directors' Meeting, whichever is earlier.

Sam's CORNER

JUNE 4 Ladies NIGHT

QUESTION TO THE LADIES OF PHILMONT...

DO YOU WANT TO SEE MORE ON
FAMOUS WOMEN IN WORLD HISTORY?
GIVE YOUR OPINION TO YE EDITOR WOODY
W3PST

AN OPEN LETTER TO PHIL-MONT

The following is not a paid advertisement...Last month I drove 1200 miles to buy a 2 meter rig from Hamtronics of Trevose. Why, with all of the dealers cutting price at Dayton, did I buy from a local dealer? ANSWER: Because Trevose has always treated me right. The price of the particular radio that I bought ranged from \$299 (from a dealer at the flee market) up to \$319 inside. I paid \$310. A fair price by any standards, but what happened after the purchase is the important part of the story.

Sunday, following a ten hour drive, I arrived home, and after kissing the dog and beating my wife, hooked up the new radio. After an hour of playing and reading the poorly translated manual seven times, I realized that I had a lemon. No problem. Back in the box it went, up to Trevose I went, (I did have to wait until Wednesday, when Jim Titus returned with the stores inventory) and home I came with a brand new radio that worked just fine.

To all of the Phil-Mont members, who, in the past, for what ever reason, have had negative experiences with Hamtronics, I pose the following questions:

1. Would your mail-order house send you a new radio?
2. If they would, who would pay the shipping and how long would you wait?
3. Assuming that you answered "no" to question one, who would pay the freight and how long would it take the factory to repair your "new rig"?
4. When was the last time your favorite mail-order house donated anything to Phil-Mont or W3TKQ?

I have only been a ham for six years, but have been in business for 24 years, and have learned that you get what you pay for. Remember, any retail store is in business to make a profit, and is entitled to one. In the past years, I have purchased many thousands of dollars worth of ham gear from Trevose and have always been completely statisfied.

To those of you who have had problems in the past, or who think that the prices at Trevose are too high, I suggest that you talk to Jim Titus, tell him that you are from Phil-Mont and see how he treats you. You might be in for a big surprise!

Sincerely

Don Gordon - WB3KQJ

MAY 1984 GENERAL MEETING

KB3IV opened the 414th General Meeting on May 7, 1984, at 8:18 P.M. W3IIN read the Minutes of the April General Meeting, in the absence of WB3KOH, Madam Secretary, and gave the Treasurer's Report. Minutes and Treasurer's Report were approved and accepted. Jinny stated we had 142 paid up members. - W3VVS reported the meeting was attended by 26 members and 6 guests, with more FM than CW operators in attendance. Paul introduced: Earl Kulp, W3EXM; Bernie Hall, (VK6AGR) now KC3NA; Jerry Mahoney, W3FB (somebody please give that man a membership application!); Howard Ziserman, WA3GOV; Ed Lukas, K3DYU; and Roy Shade, N3AOD. - The raffle was held by N3DHI, and K3TEF drew the winning ticket, which was N3DHI. After much hissing, booing, and abuse, Rick accepted a light-weight travel bag. - N3ADI stated that he had lied last month and there really isn't much DX, except an expedition to Taiwan and Sprattly Island. W3PHC spoke briefly on Packet Radio, and had pictures from Dayton and the Indy 500. - WB3CMM informed the club that there was a new format for net controls (see last months Blurb), and gave jackets to those who had participated in the Penn Relays. - W3SRU (fully recovered from his Dromedary withdrawal), asked for more volunteers for the Bike-a-thon on May 20th. - W3BBB informed us that the new antenna and cavities had been installed at the repeater and were working, and that's all that was going to be done! Jim mentioned that he had received, anonymously by mail, pamphlets describing new repeaters which could be purchased for the nominal cost of \$2500.00, at which time the Treasurer was stricken with a seizure. - KB3IV announced that the Board of Directors meeting on May 16th, would be held at his home (Sharon has yet to be informed). Any changes in location will be announced on the Thursday and Sunday nets. - W3AWH finally announced the new directories were ready and had been distributed to members present and will be mailed to those not in attendance. He thanked all who worked on the directory, WB3KOJ, W3IIN, W3AWG, W3DZZ, and of course, Himself. John still wants to expand activities of the club, ie: computers, auto patch, etc. (keep working on it John, maybe somebody's listening) - W3IIM reminded us of the June Meeting, Ladies Night, with a film by Lenox China, and a talk on Home Security Systems. A 4 piece band has been hired for the 35th Banquet, and beginning with the June Meeting, one ticket to the Banquet will be given as an alternate raffle prize. - WB3CMM introduced W3RM, Dick Moll; W3ADV, Fred Shaw; and N3WW, Bill Wiand; as judges for the CW contest. There were 11 contestants, using Straight Key, Paddle, and Keyers. W3BBB declined entering, as he didn't wish to intimidate the other contestants. And the WINNERS were:- W3AA, Straight Key and Keyer; and N3JB on the Paddle. Many thanks to WB3CMM, and all who participated in the contest. The meeting was adjourned at 10.29 P.M. and refreshments were enjoyed by all.

Respectfully Submitted

Virginia Haring-W3IIN for Natalie Gordon-WB3KOH

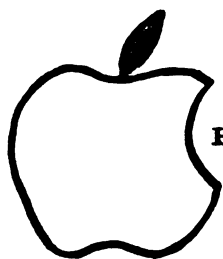
MAY 1984 DIRECTORS' MEETING

The meeting, held at the home of K3GNM, (Were we still in U.S.?) on the 16th of May, was opened by KB3IV at 8:23 PM. In attendance were W3's BFM, SRU, IIM, IIN, GIF, ZPP, AA, UY, GQD, BBB, AWH, SGR, IRS; N3's ADI, DQG, DHI & WB3KOJ. - In the absence of the Secretary, W3IIN read the minutes of the May General Meeting, which she took in the absence of the Secretary. (she also missed this meeting...anyone ready for impeachment?) The minutes were approved as read. - Donning her other hat, Jinny gave the Treasures Report. After a full (we really had her on the carpet this month) explanation of the expenses the report was accepted. - Ed opened a discussion (no more salesmen as presidents,

the meetings are getting longer each month) on the Blurb by indicating that the last issue had been photo-copied by WB3CMM and that since the method was successful we will continue using it in the coming months. Ed pointed out that the cost reduction was significant. An appeal for Blurb articles from the General Membership was made. - W3IIM made a motion, which the Board passed, commending N3ALW, KB3CT, KB3QE and W3RM for the outstanding job they are doing on the Tuesday Code Practice Net and AK2I for his efforts on the new Thursday Information Net. - W3BBB reported that the exhaust system on MOCOM has been repaired, and that the signs are "in the van". (Anyone want to volunteer to hold them up until Jim gets around to hanging them on the van?) A discussion about the cost of care and feeding of MOCOM triggered a motion, which was passed, providing that, "any donations received from other groups using the vehicle be used for maintenance". Jim also reported that the new antenna and cavities are in place and that he and K3GNM will evaluate the system and report back to the Board. A lengthy debate on the repeaters current health and future outlook, (Don't get your hopes up for a phone patch) with no outcome, took place. It was agreed that an amplifier, which has been donated by W3AWH, will be tried. A donation of \$25 to Edgehill Fire Co., for the use of their ladder truck was approved. - W3SRU, facing the East, said that he is still working on Special Club Status for Phil-Mont. (and that he misses his camel) - W3IIM spoke about the 35th anniversary banquet. Jack said that a band has been hired and that a restaurant has been obtained. Complete plans will be announced shortly. (yes PXY, it will cost more than \$11) - An open (that means everyone talked at the same time) discussion on membership involvement and retention followed. Ways of getting more members to participate were discussed. - Do to several conflicts, the June Directors' Meeting will be held on Thursday, June 14th at the home of W3's IIM & IIN. The meeting was adjourned at 10:55. Thanks to Al and Marion for their hospitality.

Respectfully Submitted,

Donald Gordon -WB3KDJ (for WB3KOH)



BYTES FROM THE APPLE

JUNE BIRTHDAYS

03-Marge Kennedy - K3FXP	19-Martin Shapiro - WA3IFQ
-Sandy Lewis (XYL N3DGU)	21-Lorraine Kovalchek (XYL AK2I)
04-Richard Moll - W3RM	22-Chester Klabe, Jr. WA2YDS
-Sue Matney Sadwin - N2CYA	23-Frank Cook - KB3CT
05-Rose Juliani (XYL W3DSG)	24-Walter Bardsley - K3QJA
06-Joseph McQueen - W3PCX	28-Betsy Reichert (XYL KA3BET)
12-Anthony DiBenedetto - K3GYK	29-Emily Brangan (XYL K3NYL)
-Ernest Juliani - W3DSG	30-Maria Mitchell (XYL K3DSM)
-Miriam Elmaleh - K3UJI (XYL K3HIJ)	***HAPPY BIRTHDAY***

TIME TO FILL OUT THE 610 FORM
WA3TPH & WB2WOW ...GET THE NEW 10 YEAR KIND THIS MONTH

DIRECTORY UPDATES

THE NEW DIRECTORY HAS BEEN DISTRIBUTED (IF YOU DIDN'T GET YOURS IT'S IN THE MAIL)...PLEASE MAKE THE FOLLOWING CORRECTIONS (THE APPLE GOOFED!)

1. UNDER W3GIF: CHANGE XYL'S CALL TO N3DQG
2. NOTE THAT K3VXU IS IN THE WRONG PLACE (HE'S BETWEEN KB3JW & WB3KAB)
3. ADD: W3UZ-POMMER JOHN M. - 211 AVON ROAD-NARBERTH, PA-19072 - JACK -VENIESE - 215-664-7248 (SORRY JACK)
4. DELETE: WA3UZD

IF YOU FIND ANY OTHER ERRORS, PLEASE LET ME KNOW...IN THE MEAN TIME, I "APPLE-O-GIZE" FOR THE GOOFS.

...DE WB3KOJ

OLD BUSINESS

TVI RETREAT
30 YEARS AGO
JUNE 1954

Visitors: W3IOH, W3WLC, K2CWF, W3QHY, W3KCG.
Program this month: "The basic principles of color TV" given by W3QZO & W3NIP.

PXY won a receiver at the last meeting - since he is in the getting-rid-of-junk-process, W3VVS is drooling ... Many activities in the offing including the annual Delaware Outboard Motorboat Marathon coordinated by W3GIF ... W3IW and W3DSG were picnicking on Blue Mountain summit, 26 miles north of Allentown and called into the 10-on-10 net like a ton of bricks ... W3SGR has a new \$400 antenna which we hear is IT ... Lydia thinks it makes a nice lightening rod.

W3QQH is going to pick the date and place with enough room for 200 members and XYLs for the annual dinner party sometime in Oct. ... W3NIP and W3QQH have the new constitution pretty well finished.

For sale: TV magnifier 10" or 12" new \$3.00;
Turntable Zenith 78 RPM less cartridge \$1.50;
Dynamotor 12v.in, 230v.out @90 ma. new \$15.00.

Wanted: Car radio for 1953 Chevrolet.

(Seller must remit 10% of price to club treasurer.)

THE BLURB
15 YEARS AGO
JUNE 1969

Program this month: K3WQQ on helicopters.
July 14-20 Nationals Model Airplane Contest.

W3CDY is checking into 10-on-10 via W3TKQ ... K3RTR attended Dayton Hamvention ... WA3LLK is young grandson of W3SGR. Now, if we can just get Grandpop to bring him to our meetings ... Duane Spencer pitched a no-hitter in the first game of the season.

W3GIF is now on 6 fm mobile ... Bond payoff list is being revised by K3NYL who expects to refund the \$150 that has been budgeted for that purpose this year ... W3EQV has been running checks on a walkie-talkie on Channel 1.

Whistle-up is no longer being used with the W3QQH repeater. Just start talking on 29.640. Jim has been back and forth to the repeater site a thousand times in the last month trouble-shooting and making adjustments. Latest is a switch in location of Xmtr and Rcvr. Former is now at WFLN tower.

Murphy's Corner:

"Original drawings will be mangled by the copying machine."

"After the last of 16 mounting screws has been removed from an access cover, it will be discovered that the wrong access cover has been removed."

"After an access cover has been secured by 16 screws, it will be discovered that the gasket has been omitted."

de W3IIM
JUNE '84

*** UPDATE ***

LADIES NIGHT this month. We'll have something for everyone: A brand new film provided by WB3KOJ - "Lenox: The Art; The People" AND -- BUENA KOWACZ, the most knowledgeable home and business SECURITY EXPERT I know! Want some good entertainment AND some free advice? --- SEE YOU THERE!

Plans for the BANQUET are moving right along. The contract for the (4-piece) band has been signed ... your club is now committed for some substantial expense ... lets not put it off any longer, - mark NOVEMBER 9th. on your calendar NOW!

In addition to the regular prize offered at each General Meeting, a special, optional-alternate prize will also be offered through October ... A ticket (worth \$25.00) to the BANQUET. Winner's option, of course. Now, how's that for a way to reduce your budgetary requirements?

... AND for those of you who don't like loud, modern music, here's a partial list of the kind of music you will enjoy:

Girl from Ipanema	Just the Way You Are
Misty	Moonlight Serenade
More	Truly
Never on Sunday	What I Did for Love
Satin Doll	Bristol Stomp
Spanish Eyes	Leroy Brown
Always on my Mind	New York
Can't Help Falling in Love	Alley Cat
I Left my Heart in San Francisco	Too Fat Polka
I Only have Eyes for You	When Irish Eyes are Smiling

de W3IIM

FYI FYI FYI FYI FYI
APPLICATION FOR MEMBERSHIP

Roy C. Shade, N3AOD Advanced Class Home phone 215-723-3890
122 Skippack Creek Road XYL - Ruth Bus. " 215-672-4200
Souderton, PA 18904 Has rigs at home, office and mobile
Sponsored by W3BFM, N3ADI

PENN RELAY MARATHON - 1984 de W3SRU

Phil-Mont once again provided communications for the Penn Relay Marathon held on 15 April 84. WB3CMM directed operation and operated a base station at the Franklin Field. WB3HYB rode in the Press bus. KA3BET, KA3LIF and W3SRU operated at key locations along the course. Leader and time information was reported which was then announced to the spectators at Franklin Field through their PA system. Operation was conducted on our repeater, W3QV, 147.63/.03. THANKS TO ALL WHO PARTICIPATED!!

PHIL-MONT's CALENDAR FOR JUNE and then some

- 03 2m NCS-AK2I, 75m-W3PWG
04 Regular Meeting at the Franklin Institute - see details elsewhere this issue.
10 2m-NCS-K3PHC, 75m NCS-W3AOA
14 Please note change-B of D's Meeting and BLURB Deadline-please note change
Display your flag, it's FLAG DAY!
17 2m NCS-KB3IV, 75m NCS-W3RCE
21 Summer Solstice, summer begins at 1:02 am EDT
24 2m NCS-N3AVE, 75m NCS-AK2I

And now for August, 12-MARC Hamfest, and please note this change-the B of D's Meeting at KC2HX has been changed to AUGUST 25, don't say we didn't tell ya.

SWAP 'n' SHOP de w3bbb

No prices, but a lotta equipment. Call Fred Shaw, 353-2637

Complete station-Drake R4B, T4XB, MS4(spkr), mike es power supply, mint cndx including 3" fan, The following is all Heath; HO-10 VFO, DX-60 xmtr, IM-10 vtm, HM-11 SWR meter, IG-102 R.F. Sig Gen., HD-20 100 kc xtal calib., IM-13 vtm, tube tester, tuning or diel str meter, & dummy load - all Heath. Knight Grid-dip meter & Knight Signal Tracer. BC-221 rf sig gen & calib., Zenith Transoceanic, Hammarlund HQ-129X rcvr-xclt condx, 8" l.s. in 12 x 12 black case, 4" l.s. in brown metal case, and a straight key. Everything works and is guaranteed.

* * * * *
The following was swiped from our local brothers'(and sisters') organ, "CHEESE-BITS."

QEX is the ARRL publication bringing you the latest information on high level technical developments in amateur radio. ARRL members can subscribe for the special rate of six bucks for twelve issues.

Membership in the Northeast VHF Ass'n, including receiving the newsletter, is \$3 per year. Make checks payable to "Northeast VHF Association" and send to Lewis D. Collins, Treasurer, 10 Marshall Terrace, Wayland, MA 01778. And from this rag via Cheese-Bits we glean the following. (This for our "Specialists")

GASS FET Preamp Precautions -- It is now becoming common knowledge that many of the new multimode rigs with PIN diode transmit-receive switching generate a full power pulse (i.e., 10 watts or more!) upon power up. Some even do when they are switched to transmit. The pulse is difficult to observe because it may last only a few milliseconds. Gass FETs may respond by dying just as quickly. If you have relays in-line that have the usual 15 millisecond delay, the preamp may see the pulse directly. In a note in K2UYH's "432 and Above EME Newsletter," some interesting studies were recounted regarding the destruction levels for GaAs FETs. In an edition of "Microwave Theory and Techniques," last December, the results of experiments were reported which prove that GaAs FETs do not degrade, they're either good or bad. With RF power levels as high as 1.3 watts applied to the GaAs FETs, they still did not suffer any permanent damage! This is possibly ten times what you might have expected, and more like 1,000 times what is commonly believed to be

deadly to a GaAs FET. That may allow some of us to use lower quality relays at certain points in our systems.

Experience has proved that power-supply transients are the real GaAs FET killers. Overvoltage on the drain is the most probable cause. WD4JQD also passes along the warning that most three-terminal regulators fail in the shorted condition, which allows the full supply voltage at the output terminals. The typical maximum drain voltages are around 5 volts so that a regulator failure is certain death for the GaAs FET. Zeners, on the other hand, fail shorted, clamping the supply voltage to ground. That is safe as long as the current-limiting resistors don't pass sufficient current to allow the failed zener to get hot enough to burn in two. Remember, most three-terminal regulators have maximum-input-voltage ratings of 35 volts, a 200-volt spike would likely fry the regulator. Let's not forget about the negative spikes, since they do come on both flavors. A useful technique here may be a 1N4007 reverse-biased on the power supply line. Powering the preamp via the shielded coax center conductor from the converter's own filtered power supply line is the safest spike eliminator next to a battery supply, since a battery looks like a zener and a capacitor in parallel.

Another precaution worth passing along is the use of a static-draining resistor on the preamp's input coaxial connector. Usually a few kilohms in a 1/4 watt resistor can be used to insure that lightning-induced surges or static surges in the air, are bled off. Otherwise, they will build up to the point that they are across the input piston, or air-variable trimmer in most preamps.

The above is our Tech-ni-gram, which should hold you for a while.

IGNITION NOISE PROBLEMS??--

Champion Spark Plug Company has a publication, "Giving Two-Way Radio Its Voice." It covers all aspects of ignition noise and its remedies. It costs a buck and is available from Champion Spark Plug Co., Automotive Technical Service Dept., P.O. Box 918, Toledo OH, 43661 (de SPARC)

MICRO COMPUTERS - - - often emit uncouth sounds like R2D2 having a nervous breakdown to froth from a ham rig. The interference might be so bad you can't use both machines simultaneously, as you might want to do with RTTY, logging, beam-directing, etc. April QST, page 77, mentions an aerosol spray-on that reduces emissions from a TRS80 model I. On several bands the reduction was dramatic. Improved grounding largely improved and shut up our Apple, without resort to such extraneous goop. By the way, we find TRS80 model 100 computers to give little RFI on HF. Burp'd of white noise, mainly on 28 MHz., but not serious.

-----de REMARCS

AND MORE on computers, micro and otherwise - - -

It has been found that "Smoker's Breath" is a threat to computers, and that smoke in general is dangerous not only to computers, but all such related devices, like semi-conductor chips, etc., usually found in video games, VCRs and radio and other products of similar design. (de ASH)

NIGHT

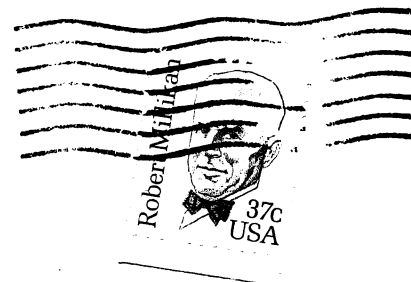
LADIES

- ENJOY to

the blurb

A Philmont Mobile Radio
Club Publication

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